PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		of Transmittal of International Search Report (20) as well as, where applicable, item 5 below.
UCL-065-PCT	ACTION	
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP 03/13406	28/11/2003	
Applicant		
UNIVERSITE CATHOLIQUE DE	LOUVAIN	
UNIVERSITE CITIONIA		
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant .
This International Search Report consists	of a total of 6 sheets.	
It is also accompanied by	a copy of each prior art document cited in this	s report.
, in the disconnection,		
Basis of the report		
a. With regard to the language, the language in which it was filed, un	international search was carried out on the baless otherwise indicated under this item.	sis of the international application in the
the international search value 23.1(b)).	vas carried out on the basis of a translation of	the international application furnished to this
was carried out on the basis of th	e sequence listing:	nternational application, the international search
	onal application in written form.	
Land Control of the C	ernational application in computer readable for	m.
} <u> </u>	o this Authority in written form.	
1i	o this Authority in computer readble form.	
international application	as filed has been furnished.	
the statement that the infurnished	formation recorded in computer readable form	is identical to the written sequence listing has been
	und unsearchable (See Box I).	
3. X Unity of invention is la	cking (see Box II).	
4. With regard to the title,		
•	submitted by the applicant.	
■ ■ ■ 3	ished by this Authority to read as follows:	
the text has been seen		
E With record to the chetract		
5. With regard to the abstract,	submitted by the applicant.	
the text has been estable	lished, according to Rule 38.2(b), by this Authories date of mailing of this international search re	ority as it appears in Box III. The applicant may, eport, submit comments to this Authority.
6. The figure of the drawings to be pu	blished with the abstract is Figure No.	
as suggested by the ap		X None of the figures.
	ailed to suggest a figure.	
1 L	er characterizes the invention.	
Decause this figure bett		

International application No. PCT/EP 03/13406

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sneet)			
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2. X Claims Nos.: 1-6, 14-30 (all in part) because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210			
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:			
see additional sheet			
1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.			
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.			
As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:			
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: See annex			
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.			
nago 1 of 2			

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International Application No PCT/EP 03/13406

A. CLASSI	FICATION OF SUBJECT MATTER CO7H17/04 CO7D309/30 CO7D309/32	2 C07D309/36 AC	01N43/16
IPC 7	CO7H17/04 CO7D309/30 CO7D309/37 A61K31/7048 A61P35/00 A61P31/04		
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According to	International Patent Classification (IPC) or to both national classification	and IPC	
B. FIELDS	SEARCHED	cymbols)	
Minimum do	comentation searched (classification system followed by classification s CO7H CO7D AO1N A61K A61P	7.1110001	
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Degrimente	tion searched other than minimum documentation to the extent that such	documents are included in the field	ds searched
Documenta	Bon Scarcingo dirio: Eran minima e e e e e		
	ata base consulted during the international search (name of data base a	and, where practical, search terms t	used)
	iternal, WPI Data, CHEM ABS Data, BEIL		
FAN-IU	iternal, wri pata, then Abs butu, bere		
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	ENTS CONSIDERED TO BE RELEVANT	ent passages	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, of the relevant		
V	KOSKELA S ET AL: "TWO BIOACTIVE (COMPOUNDS	1-5,
X	AND A NOVEL CHALCONE SYNTHASE-LIKE	ENZYME	15-17,21
	IDENTIFIED GERBERA HYBRIDA"		
	ACTA HORTICULTURAE, INTERNATIONAL FOR HORTICULTURAL SCIENCE, NL,	SUCTETY	
	vol. 560, 2001, pages 271-274, XPC	908033556	
	ISSN: 0567-7572		
	the whole document		
X	S. GAFNER ET AL.: "Phenols, acet	ylenes,	1-3,6,
	and sesquiterpene lactones from Inulanthera nuda"		14-18,21
	HELVETICA CHIMICA ACTA,	•	
	vol. 81, 1998, pages 2062-2071,		
	XP002292521 Introduction		·
	compound 9		
		1	
		/	
			listed in annay
X Fu	rther documents are listed in the continuation of box C.	Patent family members are	iisteu in annex.
° Special (categories of cited documents :	"T" later document published after the	ne international filing date
"A" docur	ment defining the general state of the art which is not .	or priority date and not in conflicted to understand the principlinvention	e or theory underlying the
"E" earlie	• • • • • • • • • • • • • • • • • • • •	"X" document of particular relevance cannot be considered novel or	e; the claimed invention
filing	date nept which may throw doubts on priority claim(s) or	involve an inventive step when	the document is taken alone
whice citat	th is cited to establish the publication date of another special reason (as specified)	"Y" document of particular relevance cannot be considered to involve document is combined with on	e an inventive step when the
othe	ment referring to an oral disclosure, use, exhibition or er means	ments, such combination being in the art.	
"P" docui	ment published prior to the international filing date but rethan the priority date claimed	"&" document member of the same	patent family
1	e actual completion of the international search	Date of mailing of the internation	nal search report
		09 12. 2	004
	25 August 2004		
Name an	d mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	•
	European Patent Office, P.B. 5616 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	do Noov	
	Fax: (+31-70) 340-3016	de Nooy, A	

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International Application No PCT/EP 03/13406

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No.			
Category °	Citation of document, with indication, where appropriate, of the relevant passages		
X	WEPPLO P: "ISOLATION AND IDENTIFICATION OF PLANT GROWTH INHIBITORS FROM LEAVES OF THE AMERICAN CRANBERRY (VACCINIUM MACROCARPON)" ACS SYMPOSIUM SERIES, WASHINGTON, DC, US, vol. 330, 1987, pages 328-333, XP008033555 ISSN: 0097-6156 abstract compound 3	1-3,5, 15-17	
X	A. KANAI ET AL.: "Synthetic studies directed toward the assembly of the C-glycoside fragment of the telomerase inhibitor D8646-2-6" ORGANIC LETTERS, vol. 5, 2003, pages 2837-2839, XP002292522 compound 5	1-3,6,30	
X	A. NUMATA ET AL.: "Plant constituents biologically active to insects. VI. Antifeedants for larvae of the yellow butterfly, Eurema hecabe mandarina, in Osmunda japonica" CHEM. PHARM. BULL., vol. 38, 1990, pages 2862-2865, XP002292523 page 2862 compounds 6, 6a	1-3,5, 15-17	

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1-6, 14-30 (all in part)

The initial phase of the search revealed a very large number of documents relevant to the issue of novelty. So many documents were retrieved that it is impossible to determine which parts of the claim(s) may be said to define subject-matter for which protection might legitimately be sought (Article 6 PCT). For these reasons, a meaningful search over the whole breadth of claims 1-6, 14-30 is impossible. Consequently, the search has been restricted to: the compounds of formula (1) of claim 1, when R1 is a saccharyl moiety at least one of R2, R3 or R4 must be C1-6alkyl.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-6 (in part), 7 (in full), 8-10 (in part), 11-13 (in full), 14-30 (in part)

Compounds of formula (1) of claim 1 where R1 is a saccharyl moiety, hydroxyl-protected acetate derivatives thereof or amino derivatives thereof, and uses, compositions and methods pertaining thereto.

2. claims: 1-6 (in part), 8-10 (in part), 14-30 (in part)

Compounds of formula (1) of claim 1 where R1 is a hydroxy-substituted cyclohexyl moiety, hydroxyl-protected acetate derivatives thereof or amino derivatives thereof, and uses, compositions and methods pertaining thereto.